#3

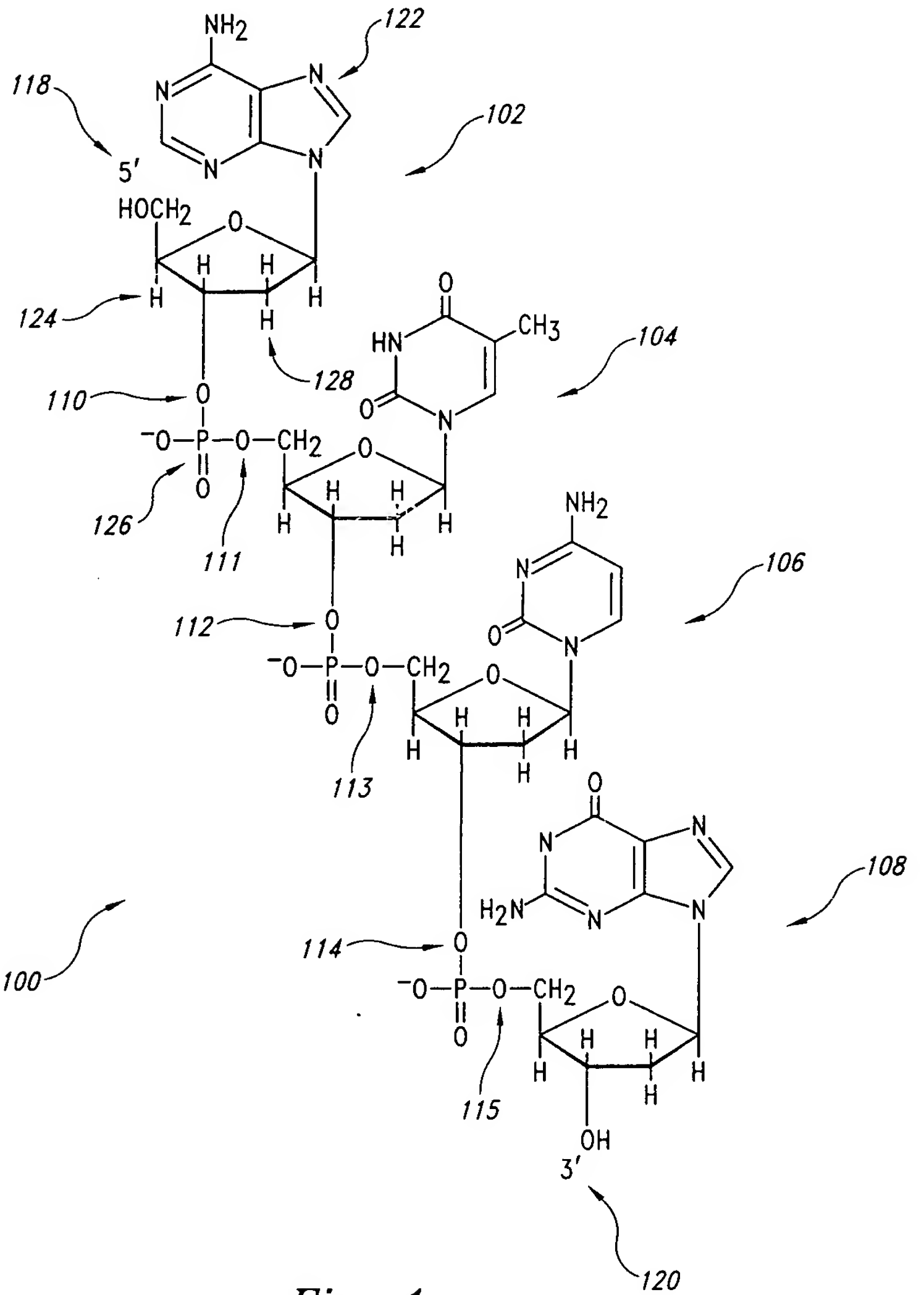

NH2
122
118
102
5′
HOCH2
O
H
H
H
H
H
124
128
110
O
HN
CH3
104
O
N
−O−P−O−CH2
O
126
H
H
H
H
111
NH2
106
112
O
N
−O−P−O−CH2
O
H
H
H
H
113
O
N
N
108
H2N
N
N
114
O
−O−P−O−CH2
O
O
H
H
H
H
115
OH
3′
100
120

Fig. 1

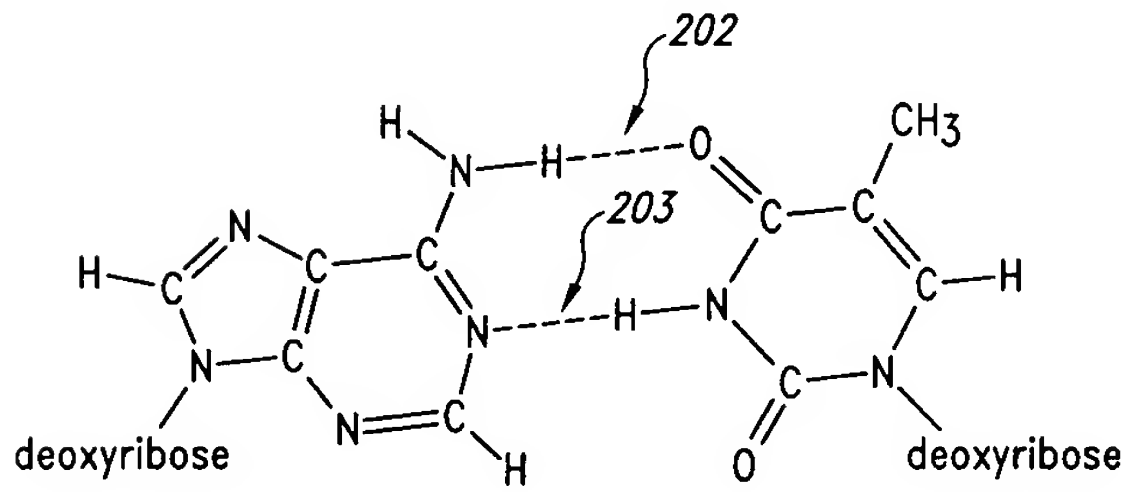

202
203
H
N
H
O
CH3
C
C
H
N
C
C
N
H
N
C
C
H
N
C
N
C
N
C
H
deoxyribose
O
deoxyribose

Fig. 2A

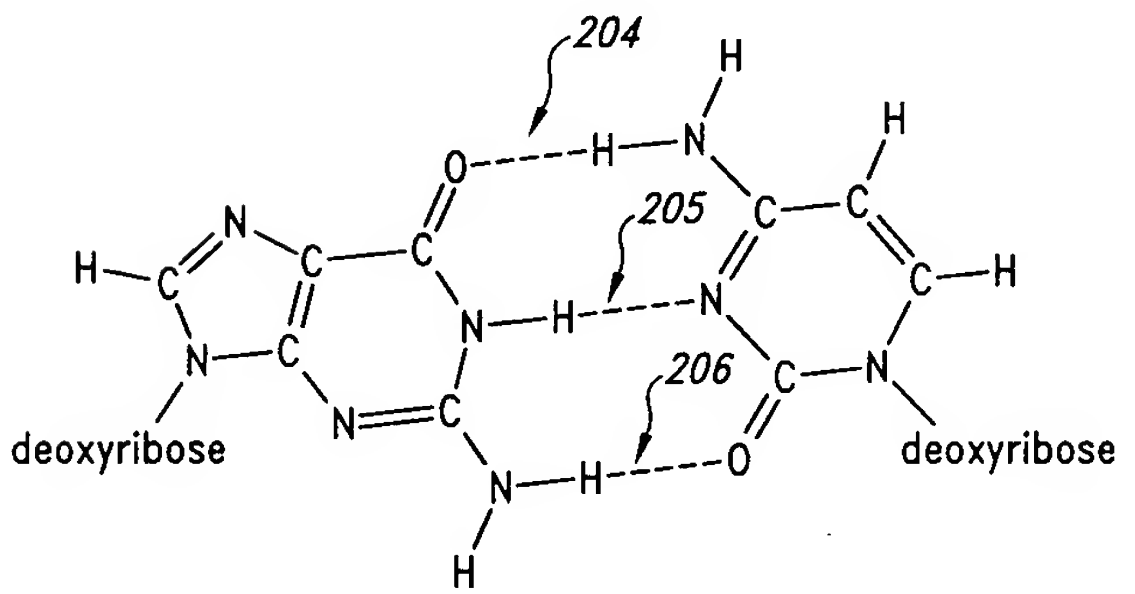

204
H
O
H
N
H
205
C
C
C
H
N
C
C
N
H
N
C
C
H
N
C
206
N
C
N
C
N
C
H
deoxyribose
O
deoxyribose
N
H
H

Fig. 2B

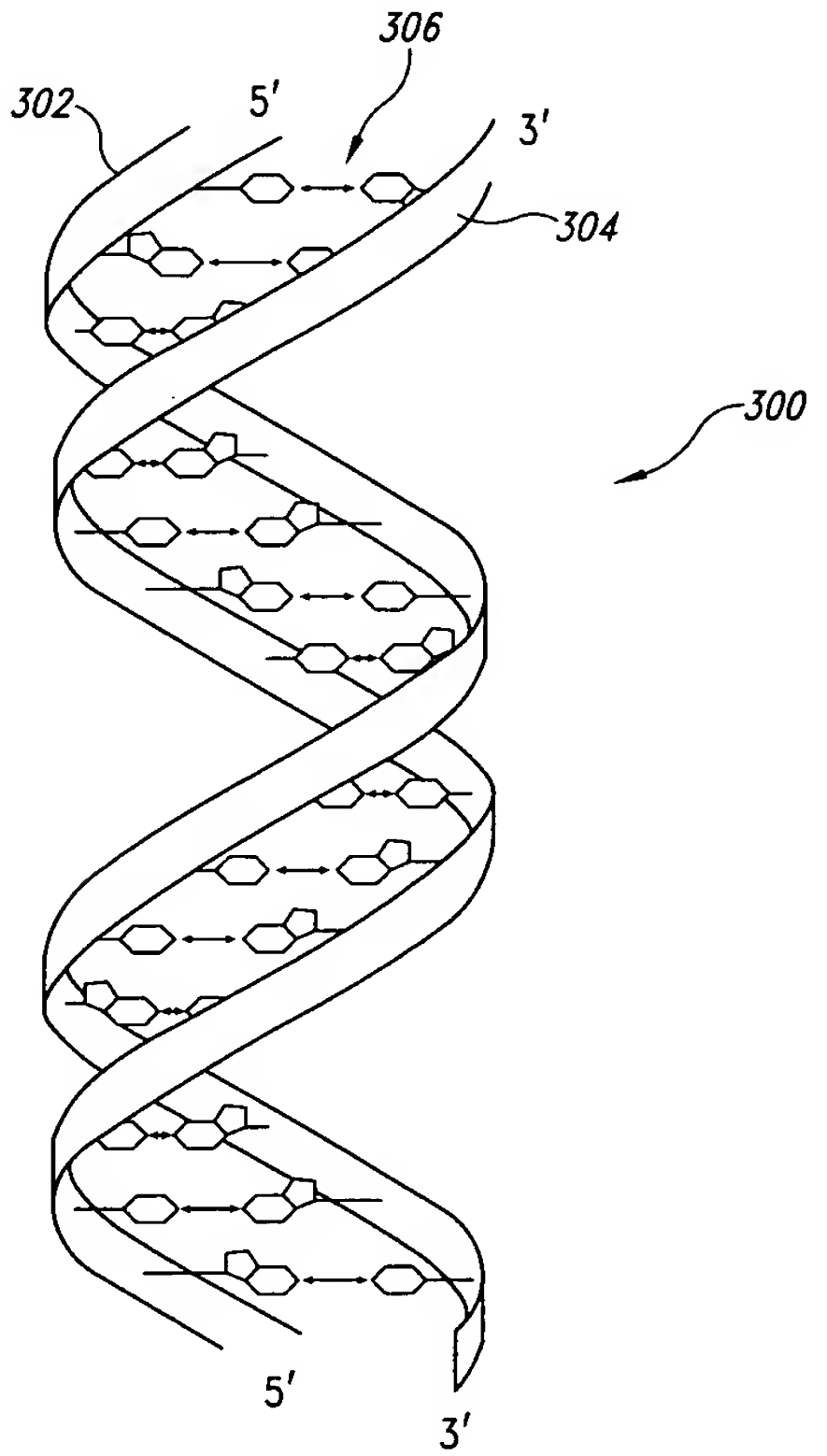
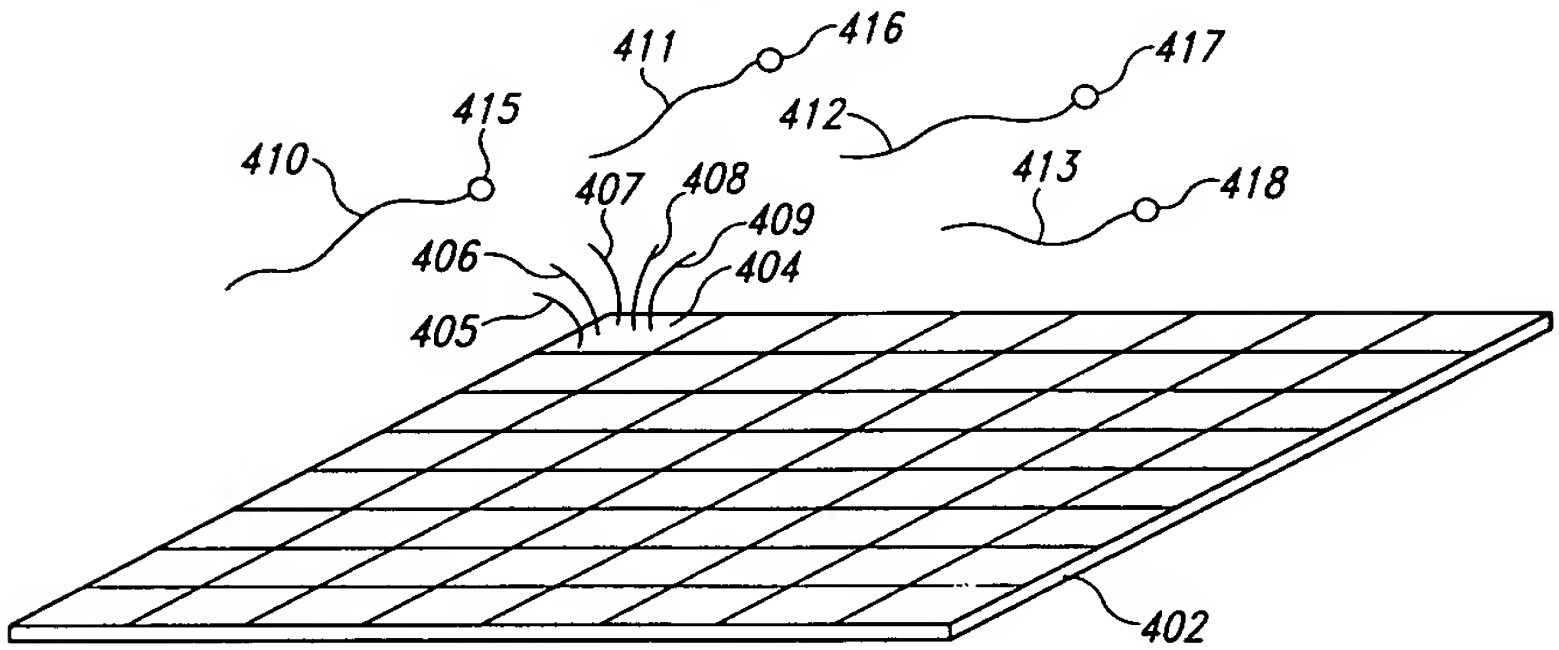


Fig. 3


411
416
417
415
412
410
413
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407
408
409
406
404
405
402

Fig. 4

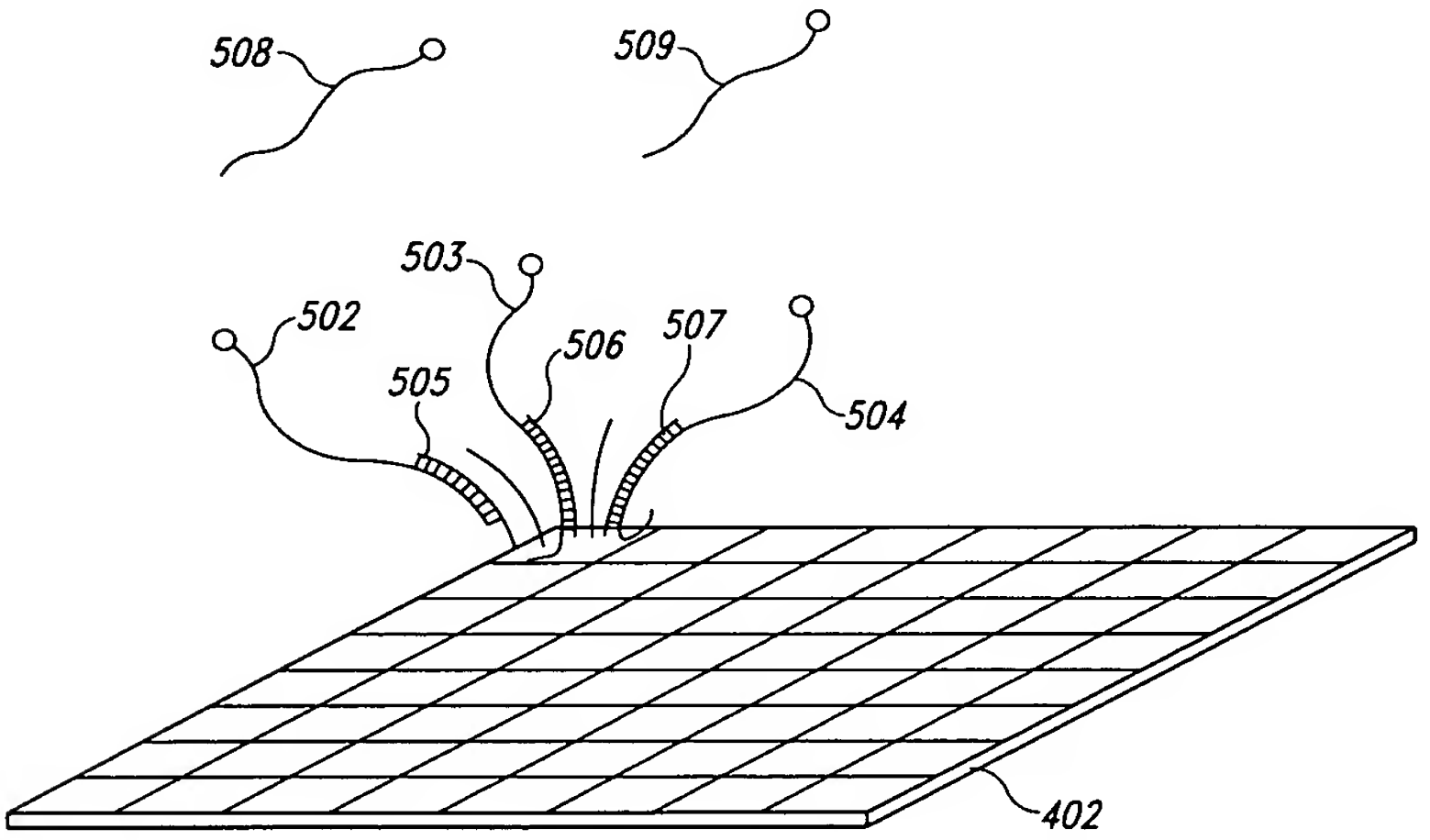
508
509
503
502
506
507
505
504
402

Fig. 5

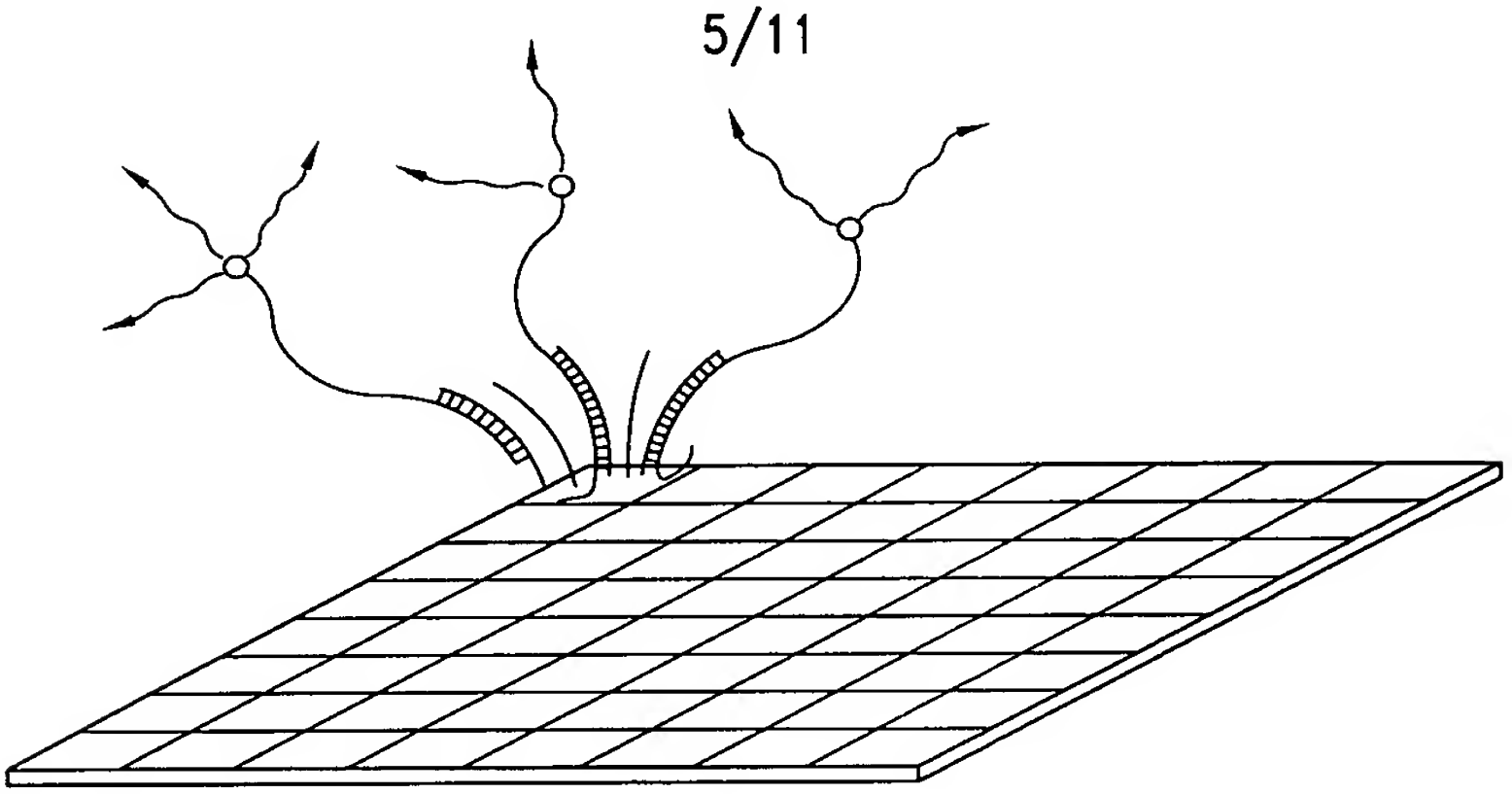

Fig. 6

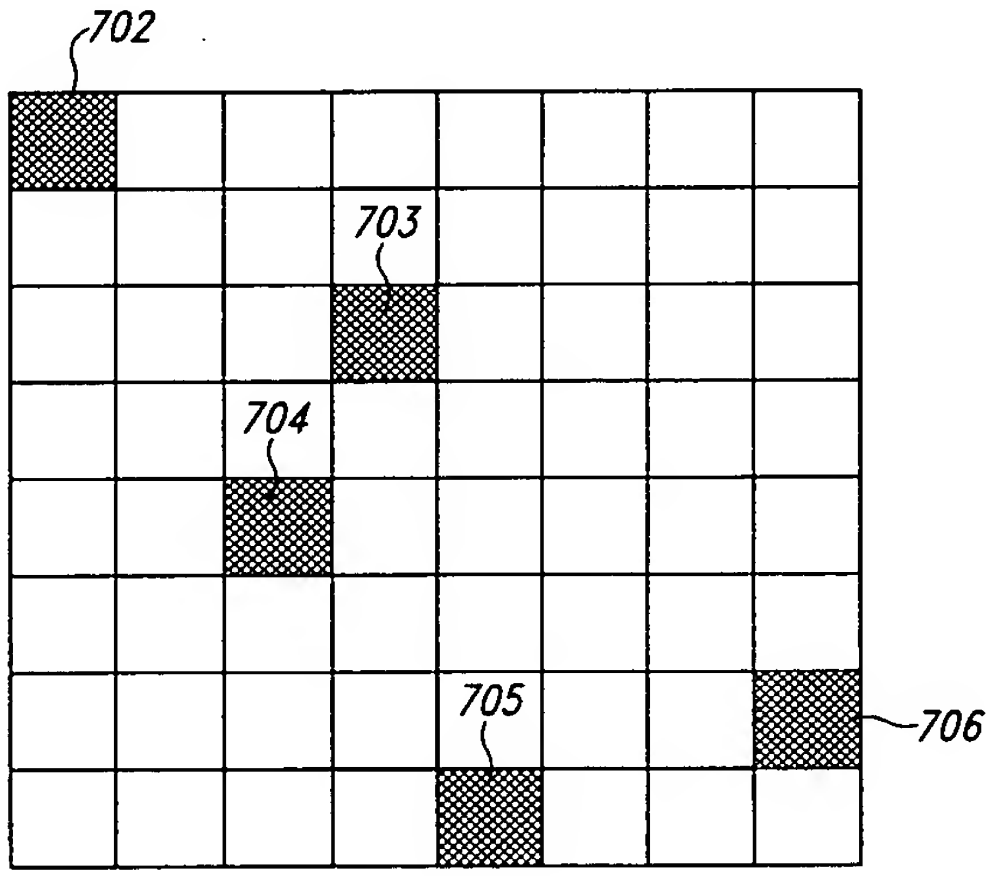

Fig. 7

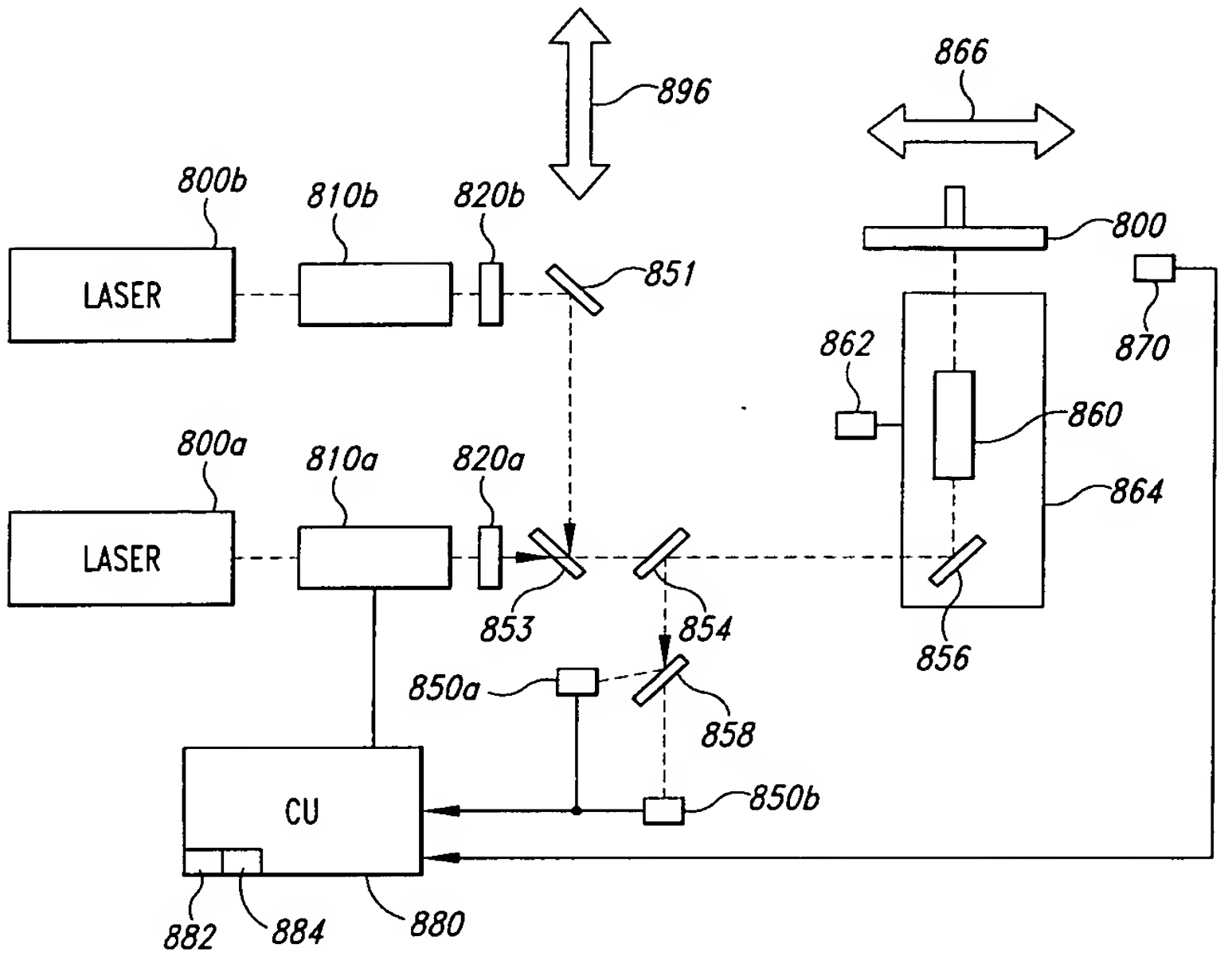
896
866
800b
810b
820b
LASER
851
800
870
862
860
800a
810a
820a
LASER
864
853
854
856
850a
858
CU
850b
882
884
880

Fig. 8

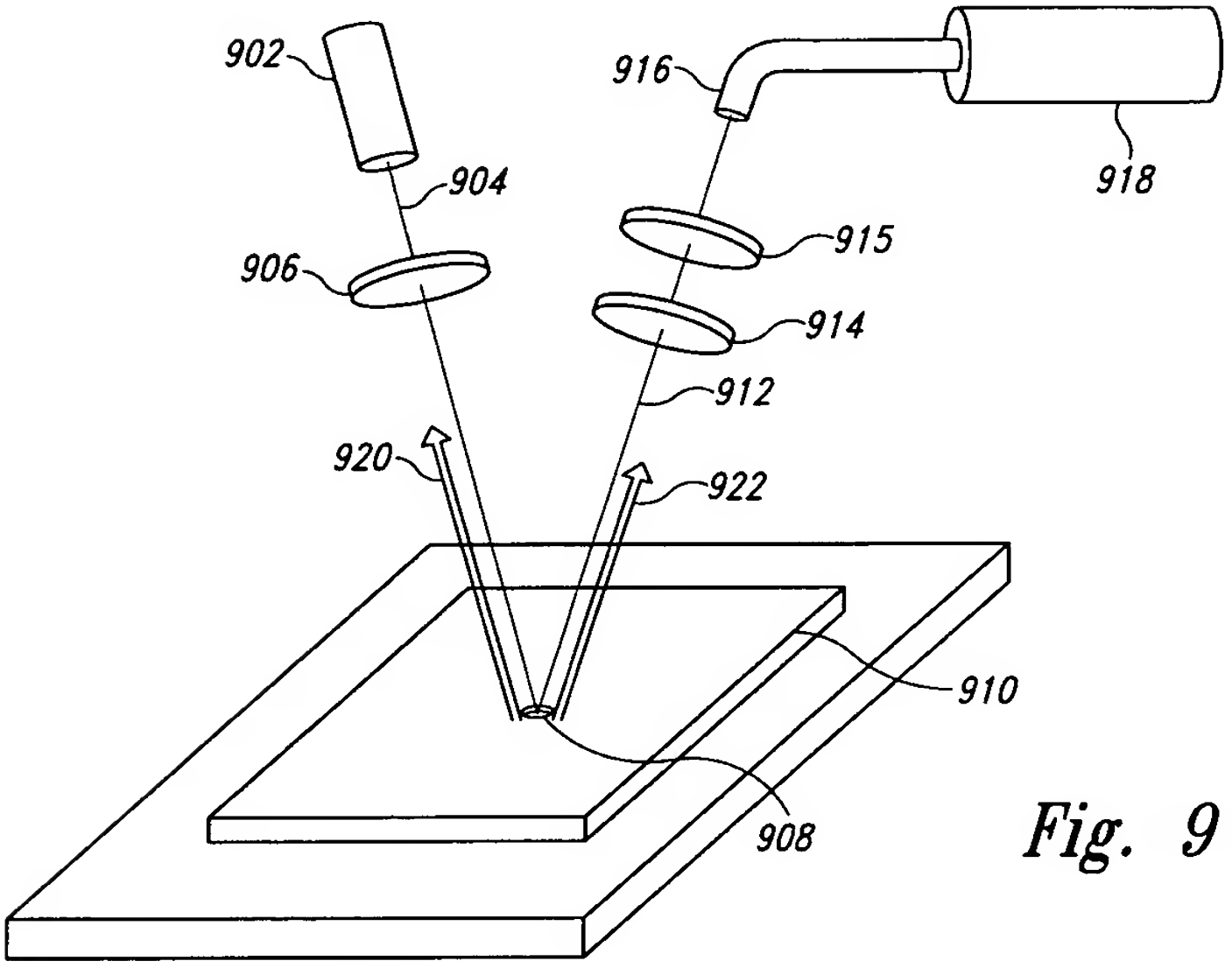
902
904
906
916
918
915
914
912
920
922
910
908

Fig. 9

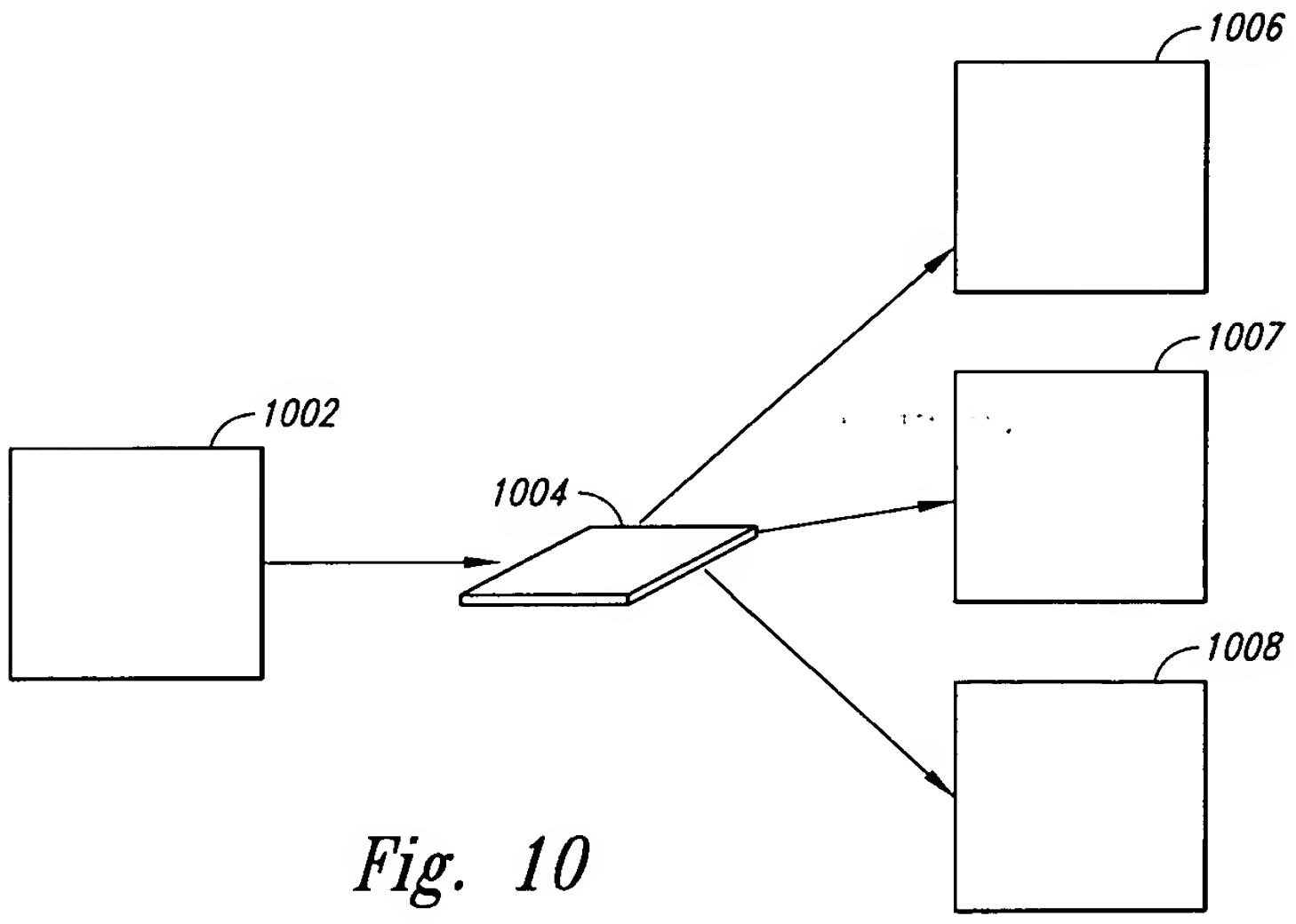
1006
1007
1002
1004
1008

Fig. 10

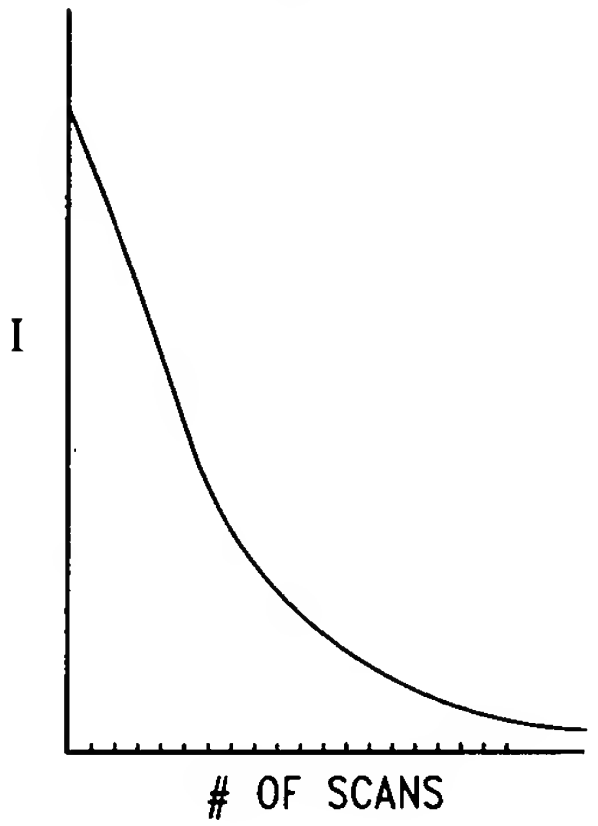

Fig. 11A

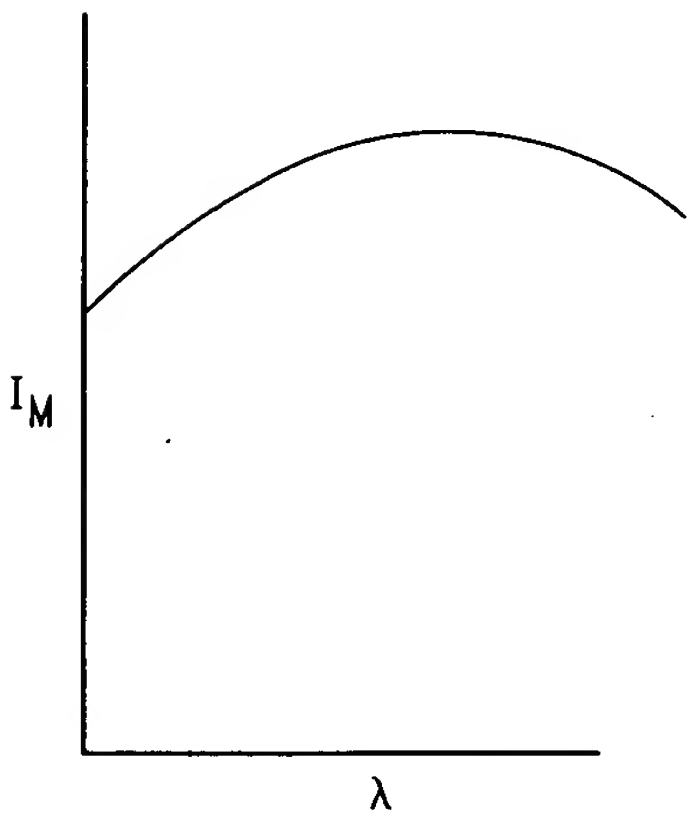

Fig. 11B

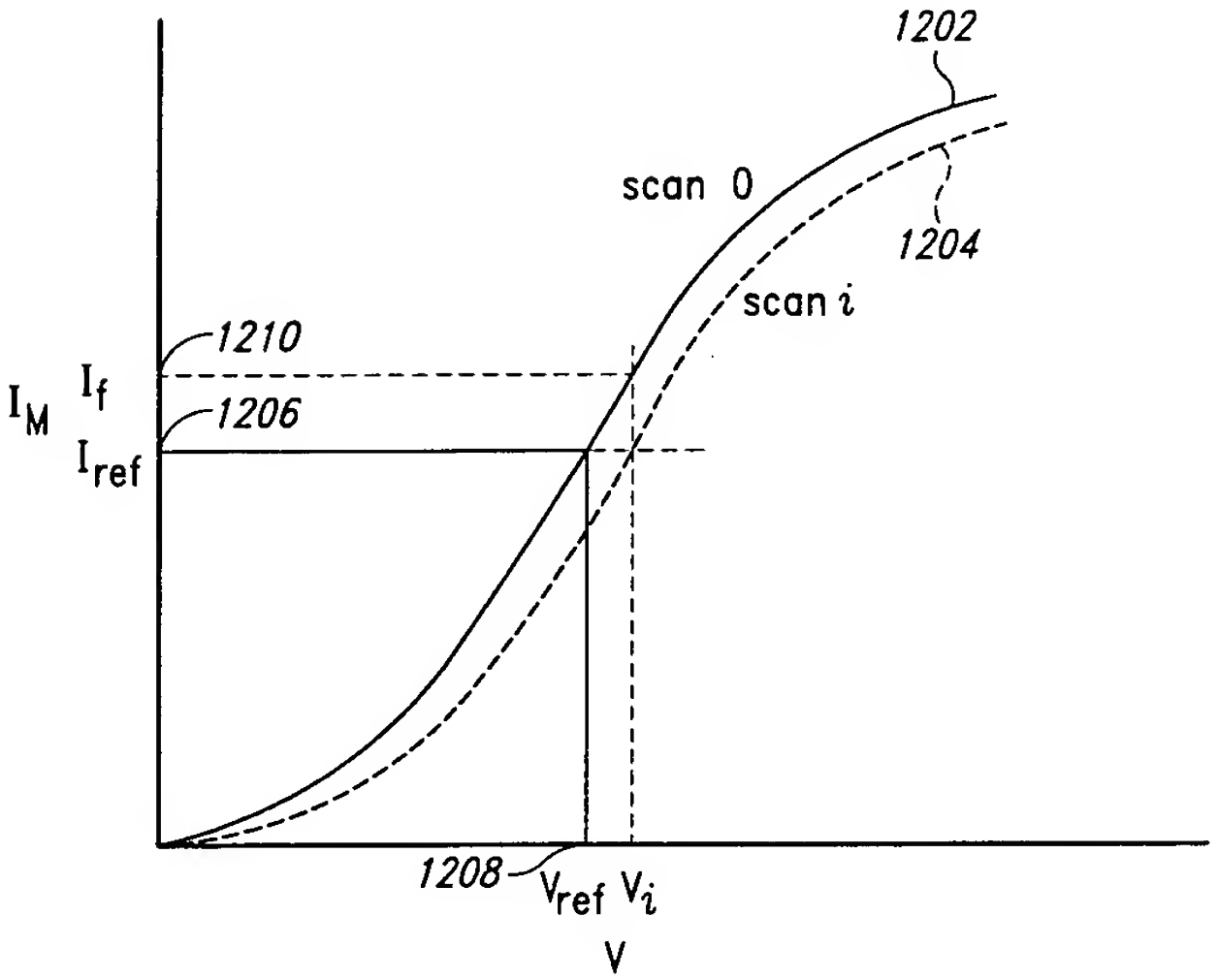
1202
scan 0
1204
scan i
1210
I_M
I_f
1206
I_{ref}
1208
V_{ref} V_i
V

Fig.12

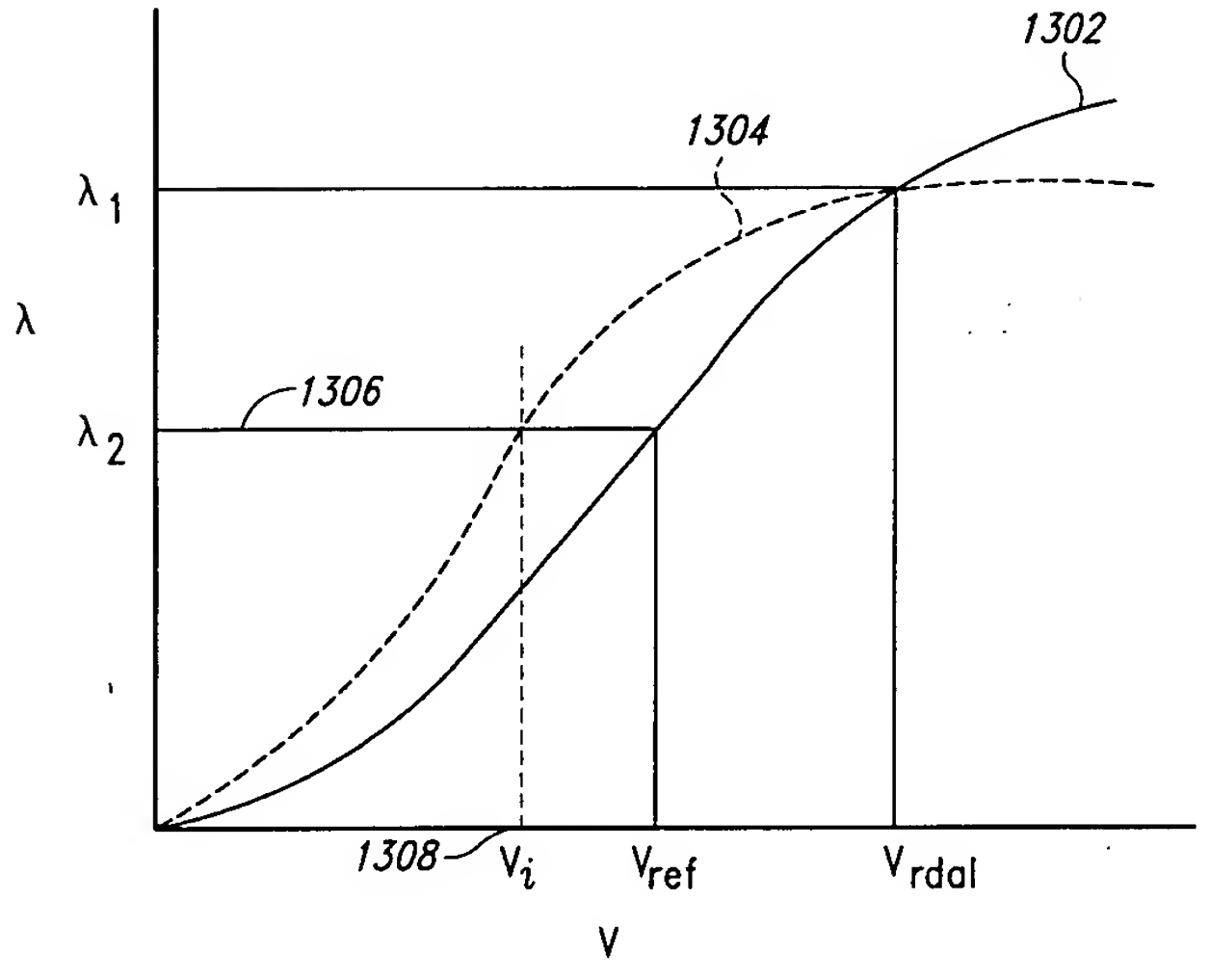
1302
1304
λ_1
λ
1306
λ_2
1308
V_i
V_{ref}
V_{rdal}
V

Fig.13

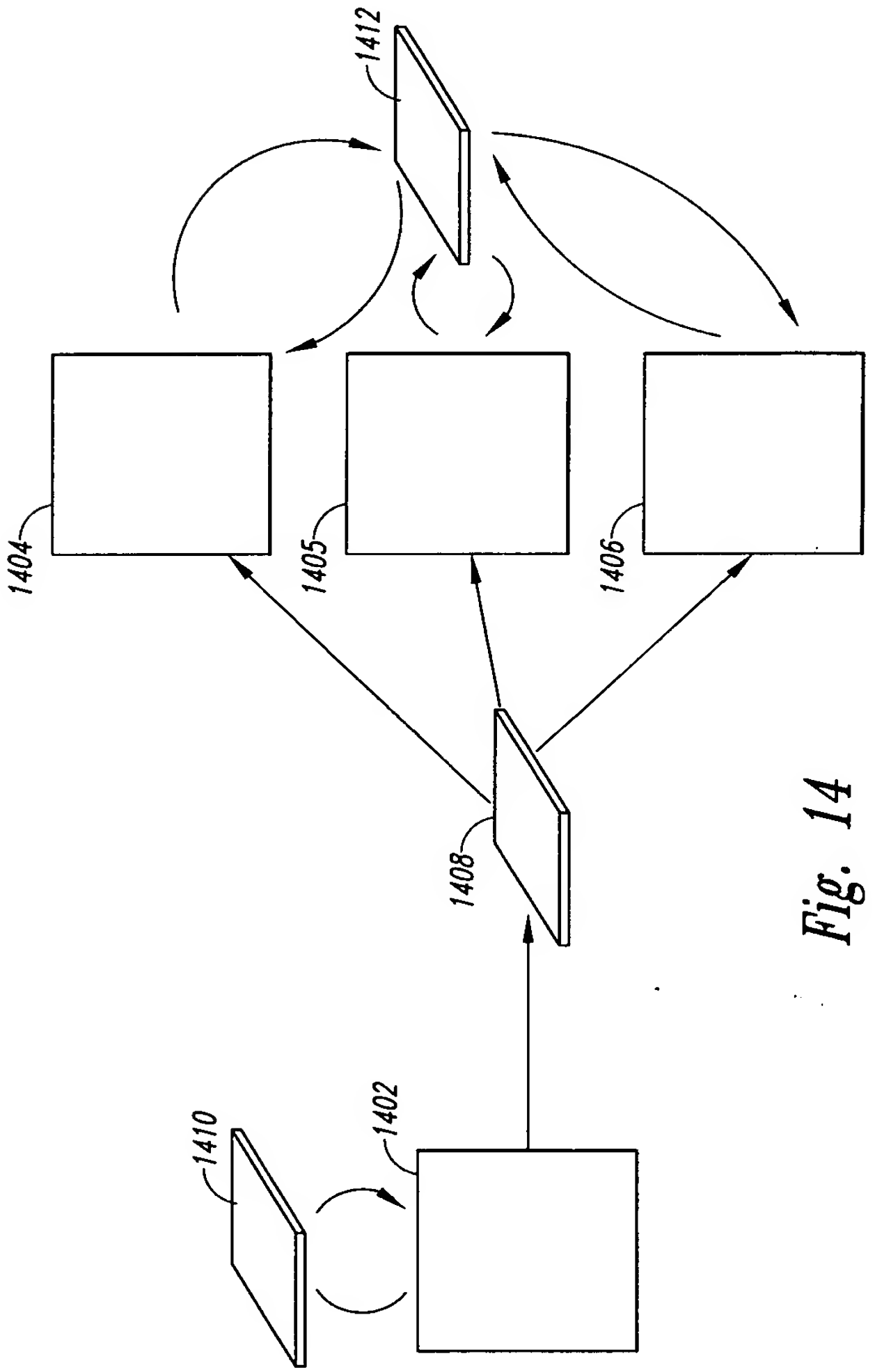

Fig. 14

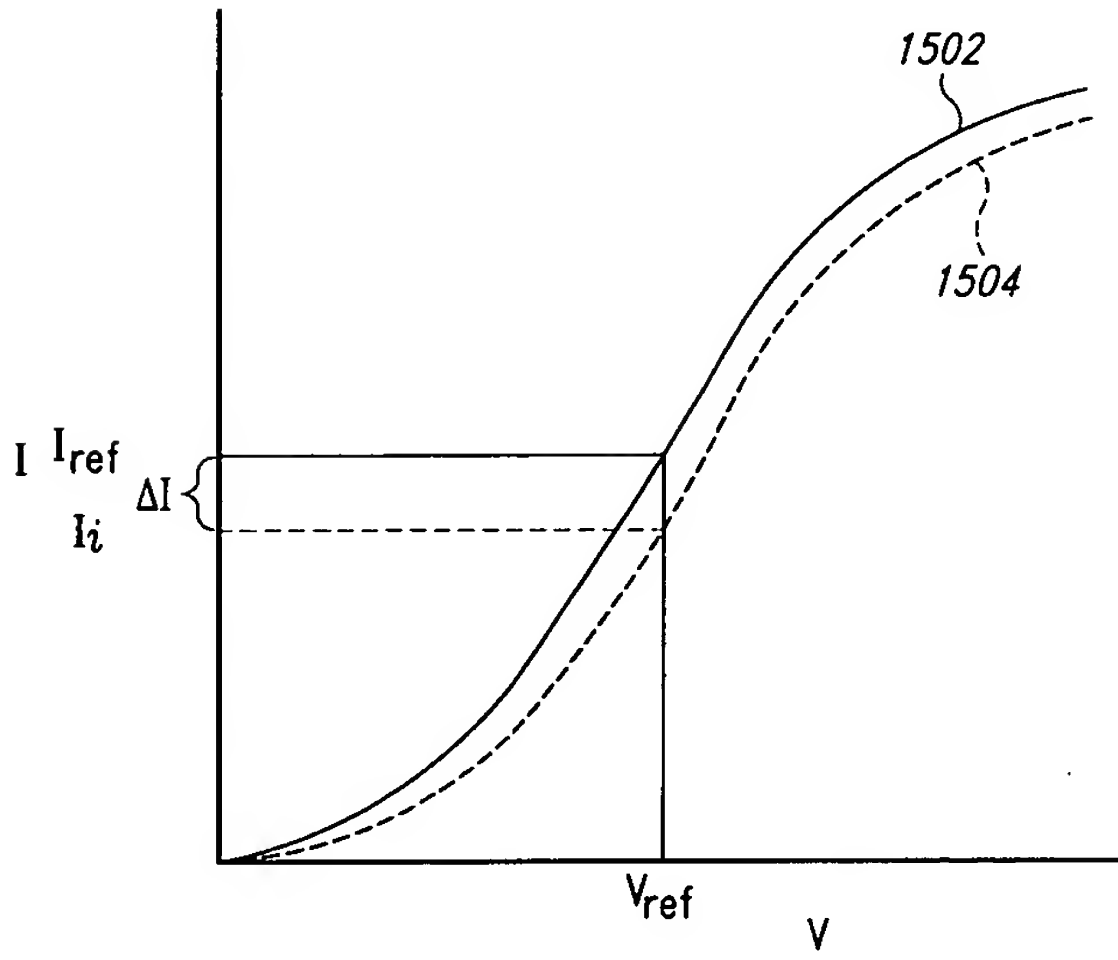
1502
1504
I
I_{ref}
ΔI
I_i
V_{ref}
V

Fig.15

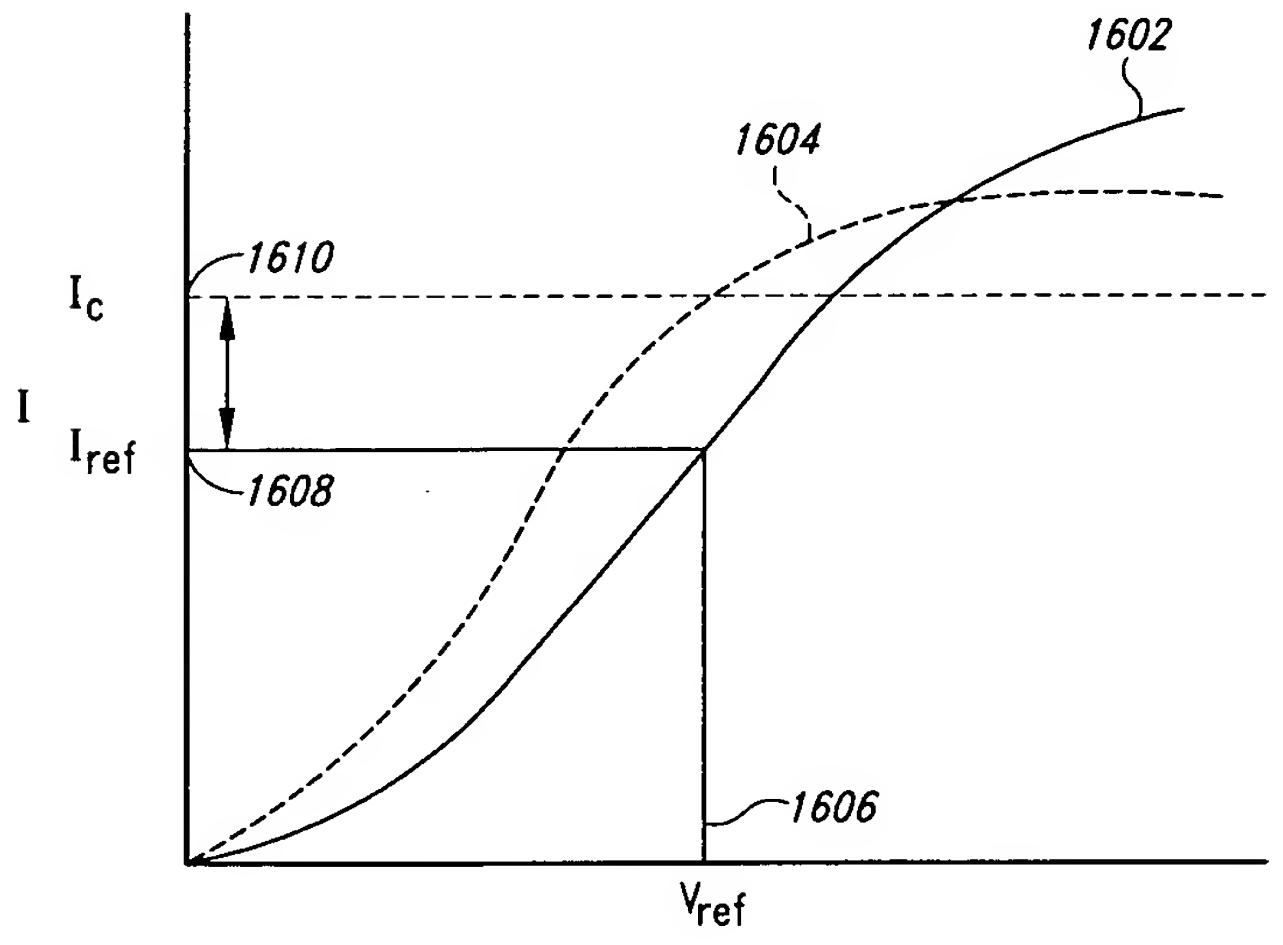
1602
1604
1610
I_c
I
I_{ref}
1608
1606
V_{ref}

Fig.16